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(54) Multimode interactive television chat

(57) A user interface device has a graphical user interface that can simultaneously display a combination of television and Internet content in various display modes. The display modes may have different proportions, positioning or other features of the Internet and television content. Means are included in each display mode for conveniently changing to other display modes. A viewer of the user interface device may be able to change display modes simply by selecting a link available in each of the display modes. The television content

being displayed may be a broadcast show and the Internet content may be chat from a chat room corresponding to the television show. Various display modes are provided for displaying the television show and corresponding chat, ranging from maximal television display and minimal chat display to minimal television display and maximal chat display. Changing television channels may initiate a corresponding change in the chat room being participated in and the content being displayed.

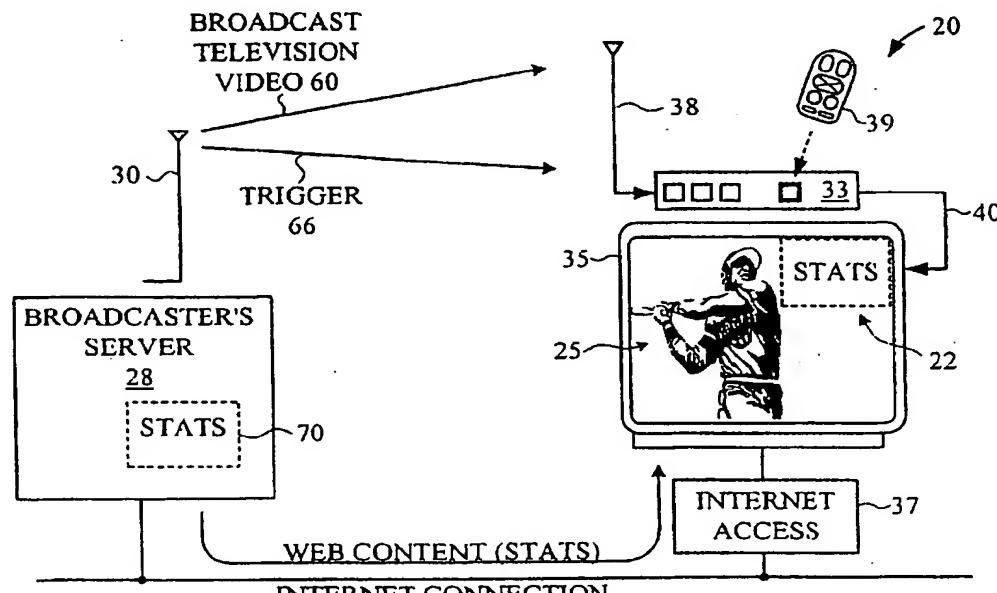


FIG. 1

Description

[0001] Communication networks such as the Internet have recently experienced dramatic growth in popularity and use. An advantage of the Internet that has helped to fuel this growth is the availability of quick and easy communication between widely disparate individuals and networks regarding virtually limitless topics. Thus, not only does the Internet provide for traditional communication, such as between a pair of friends, relatives or coworkers, but the Internet also facilitates communication between strangers and groups of strangers.

[0002] Chat is one of the various relatively new forms of communication provided by the Internet. Chat in this sense does not refer to audible conversation engaged in by people gathered together in one place, but rather to textual conversations between people that are connected by the Internet to the same chat room, which may be a file on a server. In this case, a participant in such a chat room types a message into his or her computer and the message virtually immediately appears on all the other computers connected to that chat room.

[0003] One of the most popular ways to chat via the Internet is called Internet Relay Chat (IRC). IRC employs special IRC servers that run the chat rooms, and special client/server software that allows client computers to send and receive chat via the IRC servers. The IRC servers may be connected together as a network. Various client computers from around the world may be connected via the Internet to these chat rooms, allowing conversations between disparate individuals who may typically never meet or know each other outside of the chat room experience.

[0004] It is common for a chat room to be related to a particular topic, with the participants attracted to that chat room by their interest in the topic. While many chat rooms exist regarding various topics, one popular theme for chat rooms is mass entertainment, such as television shows. Thus, chat rooms may exist devoted to a popular television show, such as "The Simpsons®." Typically, viewers are forced to choose whether to watch television or to participate in a chat room, since most Internet connections are not provided by a television but rather by a separate device such as a computer that may be disposed at a separate location from the television. Moreover, both the television and the computer may be generally immobile, such as with a personal computer located on a desk in a study and a television located in a family room. Thus, many chat participants may converse in a chat room related to a television show before or after the show has played, although some fans may be connected to the chat room while the show is playing.

[0005] The advent of interactive television such as provided by WebTV® Networks offers the possibility of being connected to the Internet and watching television simultaneously via a single user interface device. Thus it is possible for a user to be watching a television show and on the same television be connected to a chat room

that somehow relates to that show.

[0006] Figure 1 is a diagram of an interactive television system 20 that enhances a television viewing experience by integrating television programming with enhanced content from the Internet or from the broadcaster. The broadcast of a baseball game can, for example, be enhanced by retrieving relevant information (for example, a batter's batting statistics 22) from the Internet and displaying that information at an appropriate point 5 in the baseball game (for example, when the batter 25 is batting). If the batter's batting statistics are already displayed by the broadcast, then statistics 22 may involve the team's standings, or the number of wins needed to clinch a playoff spot, or a variety of other topics 10 that may be accessed via the Internet.

[0007] System 20 includes a server 28 maintained by the broadcaster, a broadcasting antenna 30, a receiver unit 33, a television set 35, and an Internet access point 37. Receiver unit 33, which may be a set-top box, includes a receiving antenna 38 and a remote control unit 39. A viewer uses remote control unit 39 to control the receiver unit and/or to interact with interactive television content via the receiver unit. A video link 40 couples receiver unit 33 to television set 35 so that the receiver 20 unit can use the television set as a display device.

[0008] Figure 2 is a block diagram of receiver unit 33. TV interface circuitry 42 of the receiver unit 33 includes a tuner that is tuned to receive broadcast television video and to remove a television carrier signal. TV interface 30 circuitry 42 digitizes the video signal after the carrier signal has been removed. Software executed by a digital processor 44 receives the digitized signal from TV interface 42 and decodes and checks the digitized signal for errors. Receiver unit 33 drives the television set 35 via 35 video encoder 46 and audio digital-to-analog converter 48. Digital processor 44 realizes a type of web browser that can access the Internet via a modem 50. Receiver unit 33 includes an infrared interface 52 for receiving infrared transmissions from remote control unit 39. Local storage 55 provides memory for processor 44, and may house a web browsing program, such as Microsoft Internet Explorer® or Netscape Navigator®.

[0009] Television video 60 is broadcast over the air-waves from broadcasting antenna 30 to receiving antenna 38 of receiver unit 33. Alternatively, television video may be broadcast via cable or satellite or other known means. The broadcast signal may include digital data. At an appropriate time in the baseball game when the broadcaster wishes batter statistics 22 to be displayed (for example, when batter 25 appears on the television screen), the broadcaster broadcasts a trigger 66 along with the television video 60. Trigger 66 contains a Uniform Resource Locator (URL) that identifies an information resource 70 on the broadcaster's server 28 or 45 another server, not shown. In this case, information resource 70 is a web page containing the batter's statistics.

[0010] Receiver unit 33 receives trigger 66, accesses

the Internet via Internet access point 37, uses the URL from the trigger to retrieve the web page of batter statistics from server 28, and then displays the batter statistics 22. In this way, broadcasters use triggers to have their viewers' receiver units retrieve information from the Internet and display that information in concert with their programming. Receiver unit 33 and television 35 together form a user interface device that is a client of the server 28 while connected to the Internet, similar to a personal computer that is connected to the Internet by an Internet service provider (ISP).

[0011] Unlike traditional television, interactive television offers to the viewer the possibility of varying the format of the information being displayed, for example by choosing whether or not to display Internet content along with a television broadcast. While such a complete change in display format between interactive and non-interactive television is currently available, other changes in display format may also be desirable. For example, viewers that are connected to a chat room may wish to change the relative proportion of chat versus television content that is being displayed. This change in proportion of content may occur when a viewer's primary interest changes from watching television to chatting. In other words, a viewer may initially wish to passively observe a small stream of chat while primarily focusing on the television broadcast. Should that viewer wish to become more active in the chat room, perhaps including sending messages to the chat room, the viewer may wish to change the relative proportions of the display screen devoted to chat versus television. Unfortunately, convenient means for changing the proportions of interactive versus television content being displayed are not currently available.

[0012] In accordance with the present invention, a user interface device having a graphical user interface can simultaneously display a combination of television and Internet content in various display modes. The display modes may offer different proportions, positions or other features of Internet versus television content. Devices are included in each display mode for conveniently changing to other display modes. A viewer of the user interface device may be able to change from one display mode to another simply by selecting a link available in the first display mode.

[0013] In one embodiment, the television content being displayed is a show and the Internet content is chat from a chat room corresponding to the television show. Various display modes may be available for displaying the television show and corresponding chat, ranging from maximal television display and minimal chat display to minimal television display and maximal chat display. Changing television channels may initiate a corresponding change in the chat room in which the viewer is participating and in the chat being displayed.

[0014] An embodiment of the invention will now be described in detail, by way of example only, and with reference to the accompanying drawings, in which:

[0015] FIG. 1 is a simple plan view diagram of an interactive television system.

[0016] FIG. 2 is a block diagram of a receiver unit of the system of FIG. 1.

5 [0017] FIG. 3 is a schematic view of a user interface device that can display both television content and Internet content.

[0018] FIG. 4 is a schematic view of a first mode of display on the user interface device of both a television program and chat related to that program.

10 [0019] FIG. 5 is a schematic view of a second mode of display on the user interface device of both a television program and chat related to that program.

[0020] FIG. 6 is a schematic view of a third mode of display on the user interface device of both a television program and chat related to that program.

15 [0021] FIG. 7 is a schematic view of a fourth mode of display on the user interface device of both a television program and chat related to that program.

20 [0022] FIG. 3 shows a user interface device 100 including a display screen 102 such as a cathode ray tube (CRT), flat panel display, or touch screen display. In general, the user interface device may take the form of a personal computer, a television having a set-top box or other means of processing and transmitting communications, a laptop or handheld computer, a personal digital assistant (PDA), a telephone, an internet appliance or other device having the communications, processing and display capabilities for performing the present invention.

25 [0022] The user interface device 100 in this embodiment also includes a controller 105 that manages a transceiver 110. Controller 105 may include a digital processor, an application specific integrated circuit (ASIC) and local memory, such as semiconductor memory. Transceiver 110 may also contain local memory such as semiconductor memory. A storage unit 108 such as a disk drive or additional semiconductor memory may be provided in communication with controller 105 and transceiver 110.

30 [0023] Transceiver 110 may receive television broadcasts and digital data such as Internet or network content via a first channel 112. A second channel 113 can be provided for sending communication to the outside world such as a network, the Internet, broadcast servers or other servers. Channels 112 and 113, which may be combined, may be take the form of twisted pairs of telephone lines, coaxial cable or fiber-optic cable, or may be a link to an antennae for wireless communication. In one embodiment, both broadcast signals such as television broadcasts and an Internet connection are provided by single channel 112. This single channel may be a cable coupled to a cable modem at transceiver 110.

35 [0023] In another embodiment, both broadcast signals such as television broadcasts and an Internet connection may be provided by channel 112 connected to a satellite receiver such as a satellite dish, while channel 113 provides another communication link. The means for receiving information by the user interface device may be

termed a source channel 112, and the means for transmitting information from the user interface device may be termed a back channel 113.

[0024] The transceiver 110 also can receive signals from an optional keyboard 115 and a pointing apparatus 118 such as a mouse or remote control via a wire or the infrared interface, and provides signals via a video encoder/decoder and digital-analog converter for presenting information on the display 102. The display 102 provides a graphical user interface (GUI) managed by controller 105. The device 100 can take the form of a personal computer, a laptop computer, an intelligent network appliance such as a hand-held network appliance or telephone, or an interactive television set.

[0025] In one embodiment, the device 100 is a television connected with a set-top box such as a WebTV® Plus Internet terminal, as described in U.S. Patent App. Ser. No. 09/296,542, which is incorporated by reference herein. The transceiver 110 in this case has TV interface circuitry including a tuner that is tuned to receive the broadcast television video and to remove a television carrier signal. After the carrier signal is removed, TV interface circuitry digitizes the resulting video signal. In addition to the television interface, transceiver 110 preferably includes an infrared interface, a digital-analog converter, a video encoder/decoder and a modem. Software executed by the controller 105 receives the digitized signal from TV interface and decodes and checks the digitized signal for errors. Transceiver 110 drives the display 102, which in this embodiment is a television set, via video encoder and audio digital-to-analog converter. The user interface in this embodiment has been specialized for viewing on an interlaced TV screen rather than a computer monitor. The controller 105 runs a web browser that can access the Internet via a modem or transmitter contained in the transceiver.

[0026] Device 100 can simultaneously display both television content and Internet content. The storage unit 108 has stored thereon an operating system, such as Windows CE®, and a web browser program 101 such as Microsoft Internet Explorer®, Netscape Navigator® or the WebTV® browser. The web browser program is run by the controller for accessing the Internet from the user interface device. Also stored on the storage unit is a chat handler program 111, which may for convenience be assembled from ActiveX or component object module (COM) components. The chat handler program is run by the controller and manages connectivity between the user interface device 100 and IRC servers. A chat buffer is provided for temporary storage of chat messages in the local memory of transceiver 110 or in storage unit 108.

[0027] FIG. 3 depicts an opening screen that a viewer may encounter, including a television show 120 and several viewing choices, such as TV chat 122, TV favorites 125, World Wide Web 128 and personal video recorder (PVR) 130. Also present in an upper right corner of the display screen 102 is an icon 133 for choosing to view

interactive TV. In general, the device 100 can display pure television broadcasting, pure web pages, or a combination of television and web pages. To combine television and web pages, television programs can be inserted as tags within hypertext transfer markup language (HTML) documents that are interpreted by the web browser program 101, in accordance with the Advanced Television Enhancement Forum (ATVEF) Specification, incorporated by reference herein. The television programming thus inserted can be rendered as a small proportion of the display screen, with the web page occupying the remainder of the screen. Alternatively, by tagging the television as a background and specifying a reduced size for the other content, the web page can overlay a part of the larger television show displayed on the screen.

[0028] Selecting TV chat 122 by the pointing device, for example, sends a request from the chat handler to an IRC server to join a chat room. The chat room selected may correspond to the particular television show 120 being displayed. That television show 120 may be identified by the chat handler via a unique identifier assigned to the show and broadcast with the television signal. Such unique identifiers are typically provided by the broadcaster. The chat dialogue can be displayed simultaneously with the television show in a variety of display modes. The combined television and chat content are provided as television markup language (TVML) documents, which are a combination of JavaScript (JS) and dynamic hypertext transfer markup language (DHTML).

[0029] The chat room may correspond to a television signal in a variety of ways besides simple corresponding to the individual show that is currently broadcast. For example, the chat room may correspond to a replay of a past television show, such as a past episode in a series, or all episodes that are currently being broadcast. Alternatively, the chat room may correspond to a television channel, such as Fox® News Network. In addition, the chat room may correspond to a category, such as professional football, that may be selected by the viewer while watching a particular football game.

[0030] The chat which is displayed on the user interface device may be audio or video instead of text. Audio or video chat may be sent from the user interface device to the chat room. For example, the viewer may speak into a microphone connected to the user interface device to create an audio clip, which is then sent to the IRC server chat room to be broadcast to all the user interface devices connected to that chat room.

[0031] FIG. 4 shows the display screen 102 presenting the combination of television and Internet content according to a first display mode 150. In this mode, the television show 120 is virtually unchanged from the display that would occur in the absence of chat, aside from a small overlay of chat dialogue 152 in a lower corner of the display screen 102. This first display mode 150 may be considered a relatively passive mode, in which the only user activity is viewing the television and chat.

A link 155 is displayed adjacent the chat dialogue, the link providing a convenient means to switch the display to a second mode in which the chat dialogue is more pronounced.

[0032] FIG. 5 shows the display mode 160 that results from selecting and actuating link 155 of the previous figure. In this mode the television show 120 is essentially unchanged while the chat dialogue 162 has grown to occupy a larger portion of the display screen 102. This allows more lines of chat dialogue to be displayed, in a somewhat more active format than that of the previous mode. A link 165 is provided to switch the display back to the first mode, and another link 167 is provided to switch the display to a third mode.

[0033] FIG. 6 shows a third display mode 170 that results from selecting and actuating link 167 of the previous figure. The chat dialogue 172 in this mode occupies a much larger portion of the screen 102, while the television show 120 has been reduced in size and occupies a smaller portion of the screen. The chat 172 may overlay the television show or it may have an opaque or semi-opaque background, for instance. A link 175 is provided to switch the display back to the second mode, and another link 177 is provided to switch the display to a fourth mode. A send bar 173 is also provided in this mode 170 for entering dialogue into the chat room. The dialogue may be typed into the send bar 173 with the keyboard 115 and then sent from the device 100 to the IRC server. Alternatively, the dialogue sent from the device to the IRC server may be selected from certain pre-scribed chat messages by the pointing device 118, as described in U.S. Patent Application "System for Interactive Chat Without a Keyboard," invented by Steven Ericsson Zenith, filed on even date herewith and incorporated by reference herein. In this case, the send box may have several prescribed chat messages available for selection. The third display mode 170 also includes a scroll bar 176 for scrolling through the chat dialogue 172, for example to access a part of the dialogue which is not being currently presented on the display.

[0034] FIG. 7 shows a fourth display mode 180 that results from selecting and actuating link 177 of the previous figure. The chat dialogue 182 in this mode occupies most of the screen 102, while the television show 120 has been reduced in size and occupies only a small window. This mode 180 has the most active chat features of the four modes presented herein as examples. A link 185 is provided to switch the display back to the third mode, and another link 187 is provided to switch the display to the first, least intrusive mode 150. A send bar 183 is also provided in this mode 180 for entering dialogue into the chat room. The dialogue may be typed into the send bar 183 with the keyboard 115 and then sent from the device 100 to the IRC server. Alternatively, as mentioned above, the dialogue sent from the device to the IRC server may be selected from certain prescribed chat messages by the pointing device 118. The fourth display mode 180 also includes a scroll bar 186 for

scrolling through the chat dialogue 182, for example to access a part of the dialogue which is not being currently presented on the display.

[0035] Different modes of displaying a television show and corresponding chat room dialogue (150, 160, 170 and 180 in this example) may simply be transmitted as different linked web pages from the IRC server. Alternatively, the chat handler program of the user interface device may contain instructions to display according to the different modes, as locally stored TVML documents. Thus, while the input of the television video and chat text are the same in each mode, they are incorporated as tags with different attributes in the different TVML pages, the TVML pages being interpreted by the web browser 101 for display in the different modes.

[0036] Changing a television channel while in a combined chat and television mode may result in changing chat rooms to a chat room corresponding to the newly selected television channel. A predetermined waiting period may occur before switching chat rooms, in order to avoid bouncing around various chat rooms during channel surfing until the new channel has been settled upon. For example, switching television channels and remaining on a channel different from the original channel for a time period of perhaps thirty seconds may initiate a request from device 100 to the IRC server chat room corresponding to the new television channel. That chat room can be determined according to a lookup table that has been downloaded to the device memory 108, the lookup table including the unique electronic program guide (EPG) number of the various television shows and the corresponding chat servers. Alternatively, actuating a link to another display mode while tuned to a different television channel can initiate a switch to a new chat room corresponding to the new channel.

[0037] Thus, a method, device and system for providing different modes of displaying combined video and Internet content, particularly chat and corresponding television shows, is provided in accordance with the present invention. Numerous modifications in form and detail may be made by those of ordinary skill in the art without departing from the scope of the present invention. Although this invention has been shown in relation to a particular preferred embodiment, it should not be considered so limited. Rather, the present invention is limited only by the scope of the appended claims.

Claims

1. A method, in a device having a graphical user interface and a display, comprising:
receiving a video signal at the device;
receiving at the user interface device chat communications corresponding to the video signal;
displaying the video signal and the chat communications on the display in a first mode; and

- displaying with the video signal and the chat communications a link to a second mode of displaying the video signal and chat communications.
2. The method of claim 1, wherein the video signal is a television show.
3. The method of claim 1, wherein the chat communications is text.
4. The method of claim 1, wherein the video signal is displayed on a first portion of the display, and the text is displayed on a second portion of the display.
5. The method of claim 1, wherein the chat overlies a portion of the video signal.
6. The method of claim 1, further comprising:
changing the video signal to receive a different channel, and in response to the different channel sending a request to a server for different chat communication corresponding to the different channel.
7. The method of claim 1, further comprising:
actuating the link and thereby interpreting a document having display attributes corresponding to the second mode.
8. The method of claim 1, further comprising displaying an area on the display for sending information relating to the video signal or chat communications.
9. The method of claim 1, further comprising displaying an area on the display for scrolling through the chat communications.
10. The method of claim 1, further comprising:
selecting the link, wherein the link identifies a television markup language document, and rendering the document to display the second mode.
11. A method, in a device having a graphical user interface and a display, comprising:
receiving a video signal at the device;
sending from the device to a server chat communications relating to the video signal;
receiving from the server by the device the chat communications relating to the video signal;
displaying the video signal and the chat communications received from the server together on the display, along with a link to a different format of displaying the video signal and the chat communications.
12. The method of claim 11, wherein the video signal is a television show.
13. The method of claim 11, wherein the chat is text corresponding to the video signal.
14. The method of claim 11, wherein the video signal is displayed on a first portion of the display, and the chat is displayed on a second portion of the display.
15. The method of claim 11, wherein the chat overlies a portion of the video signal.
16. The method of claim 11, further comprising:
changing the video signal to receive a different channel,
receiving a different video signal corresponding to the different channel, and
sending, in response to receiving the different video signal, a request to a server for different chat communications corresponding to the different channel.
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17. The method of claim 11, further comprising actuating the link and thereby accessing a document having display attributes corresponding to the different format.
18. The method of claim 11, further comprising displaying an area on the display for sending information relating to the video signal or chat communications.
19. The method of claim 11, further comprising displaying an area on the display for scrolling through the text communications.
20. A device having a graphical user interface and a display, comprising:
means for displaying video and chat corresponding to the video in a first mode of display, and
means for switching to a second mode of displaying the video and chat corresponding to the video.
21. The device of claim 20, wherein the means for switching to the second mode includes actuating a hypertext link displayed in the first mode.
22. A device comprising a graphical user interface display, a receiver for receiving video and signals, a controller for driving the display and a memory for storing information, the memory readable by the controller, the memory having stored therein a plurality of documents written in a hypertext markup language, each one of the documents providing in-

- structions run by the controller for displaying the video and the text together on the display in a format corresponding to that one document and different from formats corresponding to the other documents, each of the documents containing a link to another of the documents.

23. The device of claim 22 wherein the documents are written in a form of hypertext markup language. 5

24. The device of claim 22, wherein the video is television programming and the text is chat relating to the television programming. 10

25. The device of claim 22, further comprising a transmitter operated by the controller for sending text input over the Internet to a chat room broadcasting the text signals. 15

26. A computer-readable medium having computer-executable instructions for performing the steps of: 20

displaying, according to a first set of instructions stored at a first address, video and chat regarding the video in a first mode of display, including displaying a link to a second set of instructions stored at a second address; 25

actuating the link; and

displaying, according to the second set of instructions stored at the second address, the video and the chat regarding the video in a second mode of display. 30

27. A computer program executable on a computer to provide a method as claimed in claim 1. 35

1. A method, in a device having a graphical user interface and a display, comprising: 40

receiving a video signal at the device; receiving at the user interface device chat communications corresponding to the video signal; displaying the video signal and the chat communications on the display in a first mode; and displaying with the video signal and the chat communications a link to a second mode of displaying the video signal and chat communications.

2. The method of claim 1, wherein the video signal is a television show. 50

3. The method of claim 1, wherein the chat communications is text.

4. The method of claim 1, wherein the video signal is displayed on a first portion of the display, and the text is displayed on a second portion of the display. 55

5. The method of claim 1, wherein the chat overlies a portion of the video signal.

6. The method of claim 1, further comprising: changing the video signal to receive a different channel, and in response to the different channel sending a request to a server for different chat communication corresponding to the different channel.

7. The method of claim 1, further comprising: actuating the link and thereby interpreting a document having display attributes corresponding to the second mode.

8. The method of claim 1, further comprising displaying an area on the display for sending information relating to the video signal or chat communications.

9. The method of claim 1, further comprising displaying an area on the display for scrolling through the chat communications.

10. The method of claim 1, further comprising: 25

selecting the link, wherein the link identifies a television markup language document, and rendering the document to display the second mode.

11. A method, in a device having a graphical user interface and a display, comprising: 30

receiving a video signal at the device; sending from the device to a server chat communications relating to the video signal; receiving from the server by the device the chat communications relating to the video signal; displaying the video signal and the chat communications received from the server together on the display, along with a link to a different format of displaying the video signal and the chat communications.

12. The method of claim 11, wherein the video signal is a television show. 45

13. The method of claim 11, wherein the chat is text corresponding to the video signal.

14. The method of claim 11, wherein the video signal is displayed on a first portion of the display, and the chat is displayed on a second portion of the display.

15. The method of claim 11, wherein the chat overlies a portion of the video signal.

16. The method of claim 11, further comprising:

- changing the video signal to receive a different channel,
receiving a different video signal corresponding to the different channel, and
sending, in response to receiving the different video signal, a request to a server for different chat communications corresponding to the different channel.
17. The method of claim 11, further comprising actuating the link and thereby accessing a document having display attributes corresponding to the different format. 10
18. The method of claim 11, further comprising displaying an area on the display for sending information relating to the video signal or chat communications. 15
19. The method of claim 11, further comprising displaying an area on the display for scrolling through the text communications. 20
20. A device having a graphical user interface and a display, comprising:
means for displaying video and chat corresponding to the video in a first mode of display, and
means for switching to a second mode of displaying the video and chat corresponding to the video. 25
21. The device of claim 20, wherein the means for switching to the second mode includes actuating a hypertext link displayed in the first mode. 30
22. A device comprising a graphical user interface display, a receiver for receiving video and signals, a controller for driving the display and a memory for storing information, the memory readable by the controller, the memory having stored therein a plurality of documents written in a hypertext markup language, each one of the documents providing instructions run by the controller for displaying the video and the text together on the display in a format corresponding to that one document and different from formats corresponding to the other documents, each of the documents containing a link to another of the documents. 35
23. The device of claim 22 wherein the documents are written in a form of hypertext markup language. 40
24. The device of claim 22, wherein the video is television programming and the text is chat relating to the television programming. 45
25. The device of claim 22, further comprising a transmitter operated by the controller for sending text input over the Internet to a chat room broadcasting the text signals. 50
- 5 26. A computer-readable medium having computer-executable instructions for performing the steps of:
displaying, according to a first set of instructions stored at a first address, video and chat regarding the video in a first mode of display, including displaying a link to a second set of instructions stored at a second address;
actuating the link; and
displaying, according to the second set of instructions stored at the second address, the video and the chat regarding the video in a second mode of display. 55
27. A computer program executable on a computer to provide a method as claimed in claim 1.

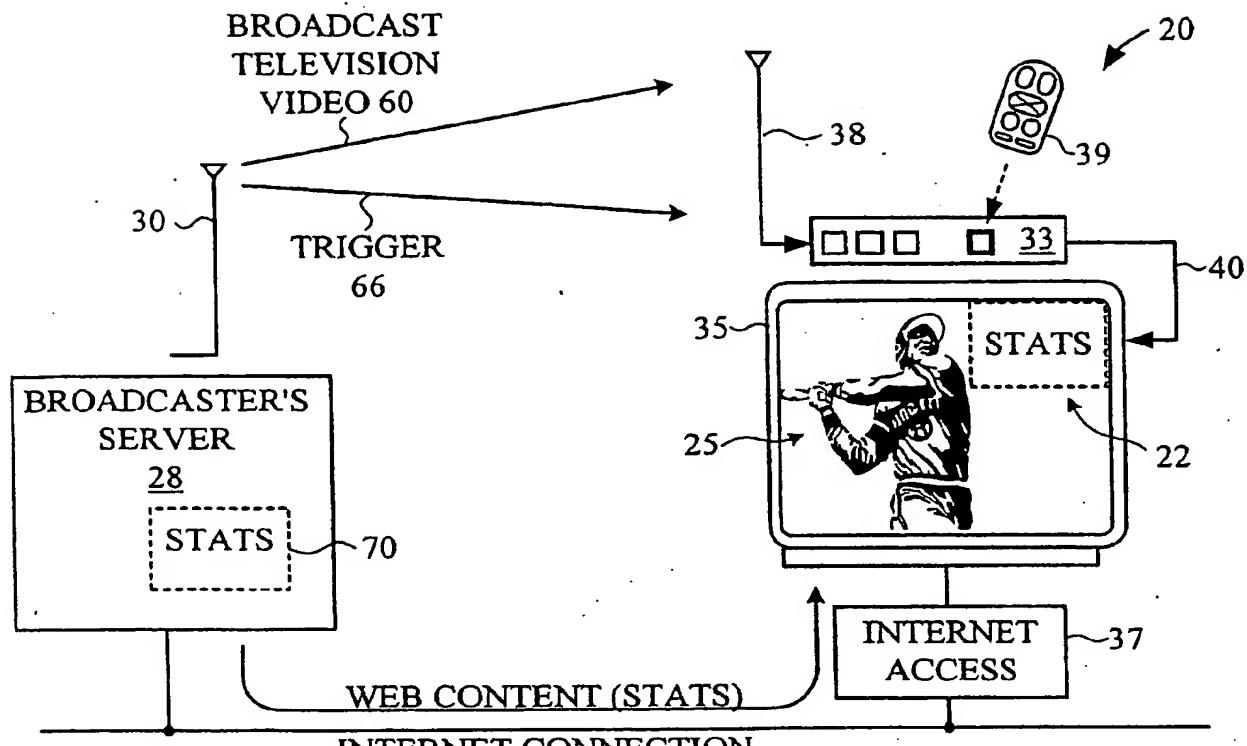


FIG. 1

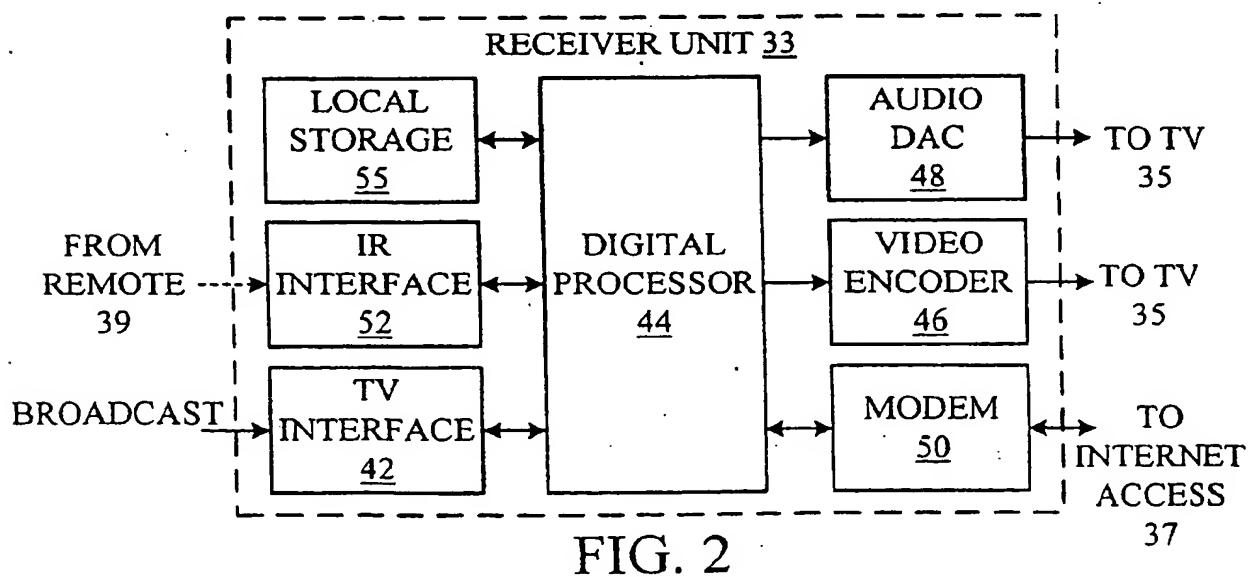


FIG. 2

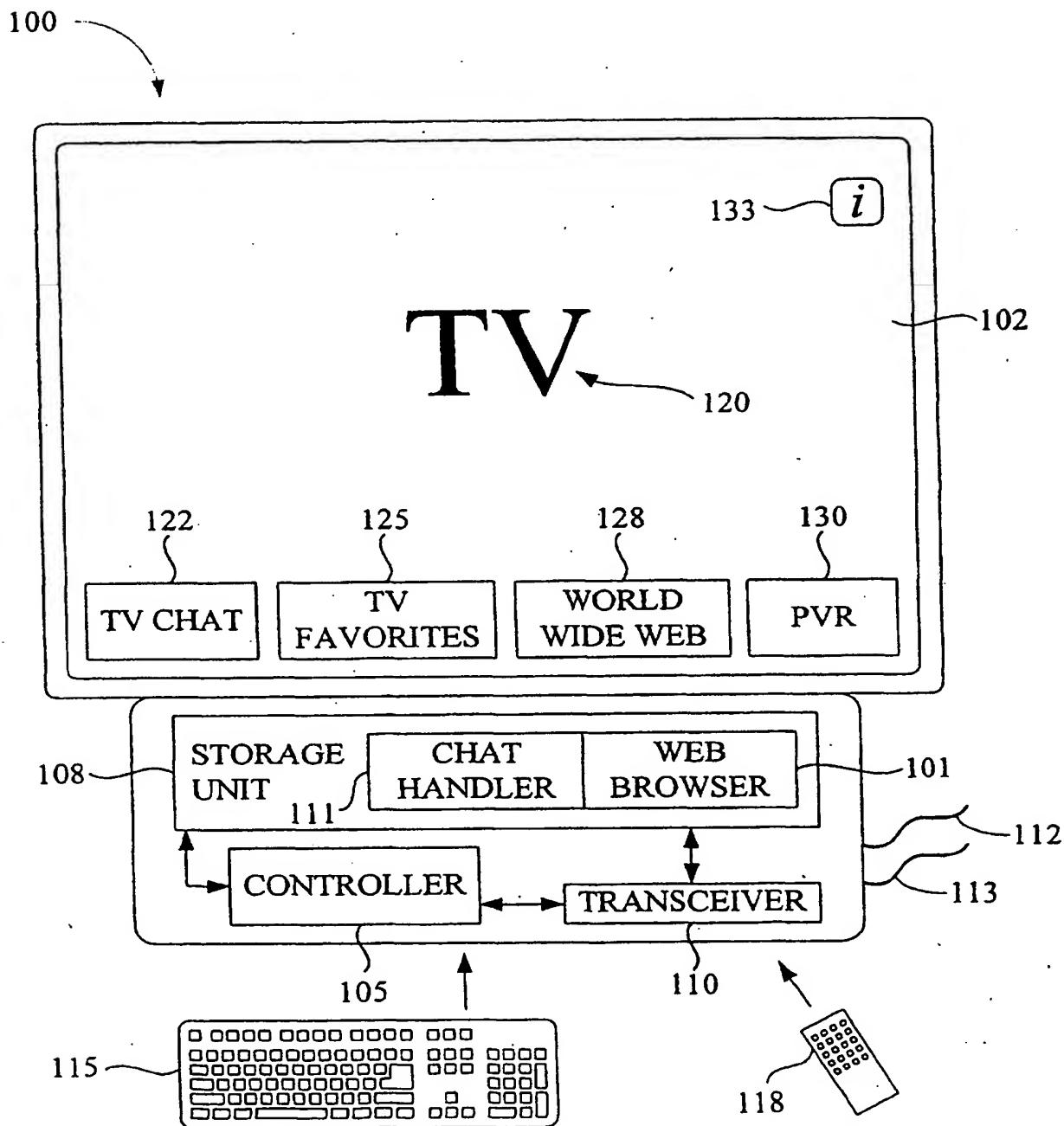


FIG. 3

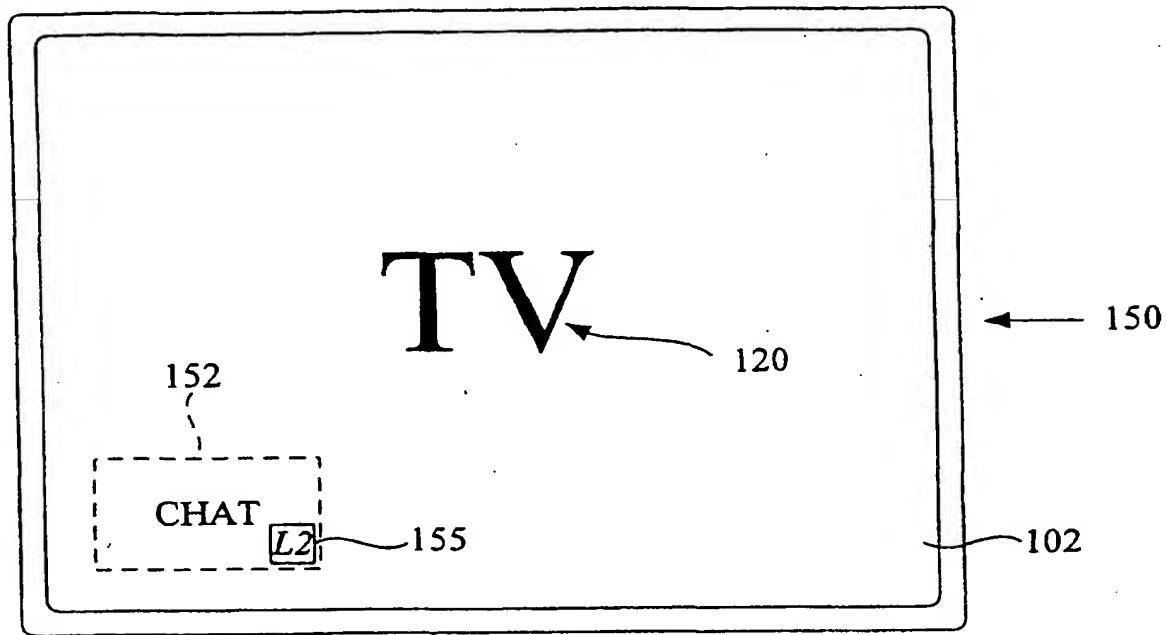


FIG. 4

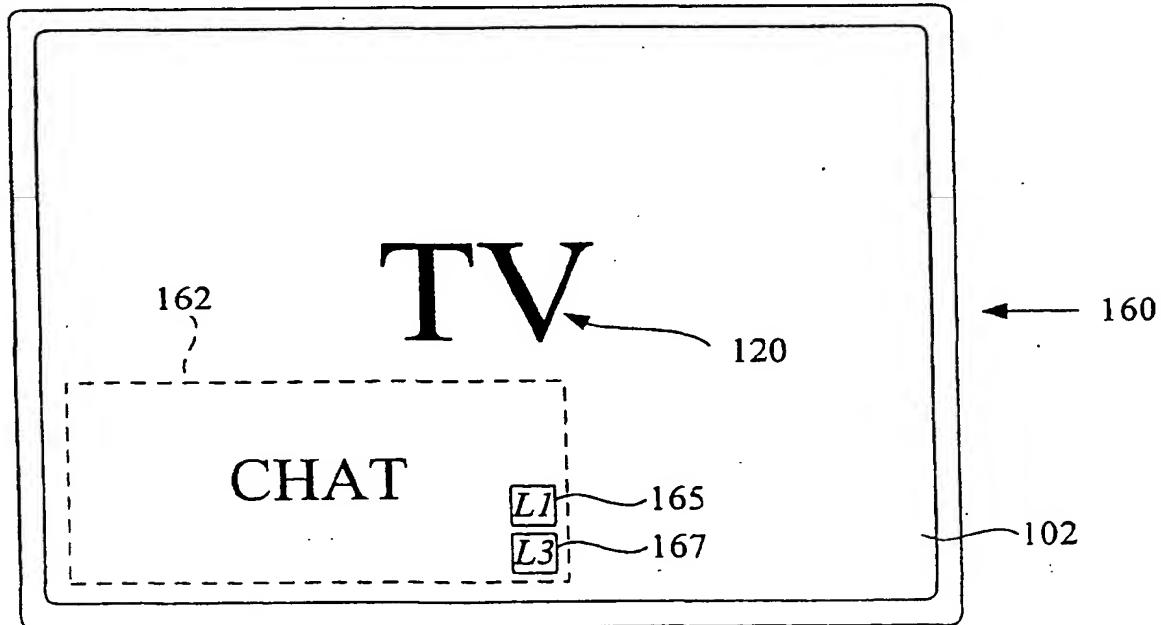


FIG. 5

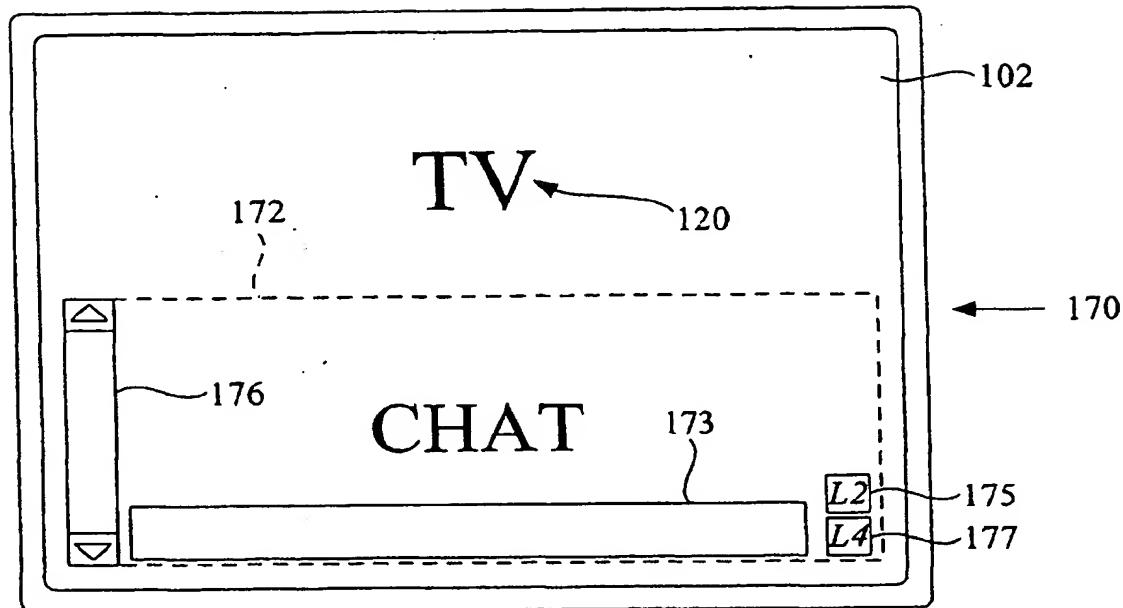


FIG. 6

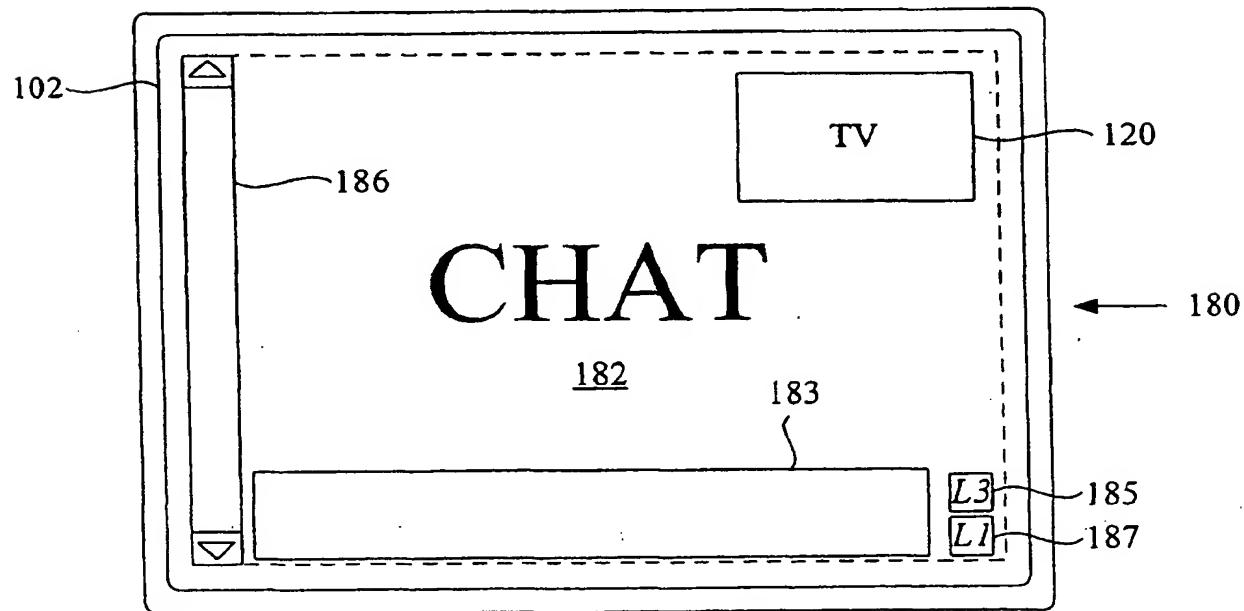


FIG. 7